



Description

CPP Solar is a US manufacturer and a global supplier of photovoltaic backsheets and frontsheets. Our HEMERA™ backsheets consists of KYNAR® PVDF which is a 20+ year proven performance in the PV industry which protects modules from moisture and UV to provide long term protection to the modules. CPP Solar provides a broad array of backsheet choices and we also work closely with module manufactures to provide innovative backsheets to meet their requirements and protect their modules.

HEMERA™ PE 750 is a two-layered film lamination designed to be used as a backing sheet for lower wattage photovoltaic solar panels and for consumable products. It acts as an electrical barrier for the PV module, protecting the electronics and isolating them from the rest of the product.

NOMINAL PROPERTIES

Physical:

Elongation at Break	140%
Weight	372 g/m ²
Thickness:	
PET	188 μm
Encapsulant Primer	100 μm
Total	288 μm

Intra-Layer Adhesion:

PET/Encapsulant Primer	>4 N/cm
BACKSHEET/EVA	>40 N/cm

Thermal:

Shrinkage % (MD/TD)	<1.5 / 0.9
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Electrical:

Breakdown Voltage	17.8 kV
Partial Discharge	990 VDC

Advantages of HEMERA™ PE 750

- Increased bond strength
- Excellent dielectric strength
- Increased vacuum lamination throughput

The "Green" Process

CPP Solar is a leader in the "Green Process". With our R&D center and manufacturing plant in Pennsylvania, USA CPP Solar's backsheets are made with a solvent free bonding technology, which decreases the overall carbon footprint of modules made with the HEMERA™ brand backsheets.